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TI Solidification of radioactive washing wastewaters
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PA Nippon Atomic Industry Group Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 3 pp.
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LA Japanese
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CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
JP 60133399	ICM	G21F009-16
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AB Radioactive washing wastewaters are solidified by concentrating the wastewaters,

mixing with active C, and cementing. The method is applicable to washing wastewaters of clothes from atomic power stations. Thus, a radioactive wastewater using Tosna Soap H (detergent, from Nippon Oil and Fats Co., Ltd.) containing ethylene oxide surfactant 10, EDTA Na salt 8.7, poly(vinylpyrrolidone) 1.0, and water 80.3% was concentrated to obtain a concentrate (8% concentration), 50 L of which was kneaded with 17 kg Nittan

140BW

(active C, from Hitachi Activated Carbon Mfg. Co., Ltd.), mixed with 100 kg cement, kneaded for 10 min, and cured for 28 days to obtain a solid with sp. gr. 1.78 and compressive strength 307 kg/cm².

ST solidification radioactive washing wastewater clothes; active carbon radioactive wastewater solidification; cement carbon radioactive wastewater solidification

IT Cement.

(radioactive laundering wastewater solidification in)

IT Detergents